

# RF EXPOSURE EVALUATION

## 1. PRODUCT INFORMATION

Product Description	Tablet PC
Model Name	MT-715QR, MT-762QR, MT-701QU, MT-761QU, MT-702QU, MT-750QU, MT-1011QU, MT-805QM, MT-815QU
FCC ID	2AYETMT-7

## 2. EVALUATION METHOD

According to 447498 D01 General RF Exposure Guidance v05

The 1-g and 10-g SAR test exclusion thresholds for 100 MHz to 6 GHz at test separation distances  $\leq 5$  mm are determined by:

$[(\text{max. power of channel, including tune-up tolerance, mW}) / (\text{min. test separation distance, mm})] \cdot [\sqrt{f(\text{GHz})}] \leq 3.0$  for 1-g SAR and  $\leq 7.5$  for 10-g extremity SAR.

Where  $f(\text{GHz})$  is the RF channel transmit frequency in GHz

Power and distance are rounded to the nearest mW and mm before calculation

## 3. CALCULATION

BLE:

$P_t = 3.537 \text{ dBm} = 2.258 \text{ mW}$

The value of the Maximum output power  $P_t$  is referred to the test report of the CFR47 §15.247.

The result for RF exposure evaluation  $\text{SAR} = (2.258 \text{ mW} / 5 \text{ mm}) \cdot [\sqrt{2.44(\text{GHz})}] = 0.704 < 3.0$  for 1-g SAR and  $\leq 7.5$  for 10-g extremity SAR.

BR/EDR:

$P_t = 3.492 \text{ dBm} = 2.235 \text{ mW}$

The value of the Maximum output power  $P_t$  is referred to the test report of the CFR47 §15.247.

The result for RF exposure evaluation  $\text{SAR} = (2.235 \text{ mW} / 5 \text{ mm}) \cdot [\sqrt{2.402(\text{GHz})}] = 0.693 < 3.0$  for 1-g SAR and  $\leq 7.5$  for 10-g extremity SAR.

2.4G WIFI:

$P_t = 8.49 \text{ dBm} = 7.063 \text{ mW}$

The value of the Maximum output power  $P_t$  is referred to the test report of the CFR47 §15.247.

The result for RF exposure evaluation  $\text{SAR} = (2.74 \text{ mW} / 5 \text{ mm}) \cdot [\sqrt{2.462(\text{GHz})}] = 2.190 < 3.0$  for 1-g SAR and  $\leq 7.5$  for 10-g extremity SAR.

Note: The 2.4GHz WIFI band and BT band can transmit simultaneously.

$0.704/3 + 2.190/3 = 0.965 < 1$

## 4. CONCLUSION

The SAR evaluation is not required.